

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/069954 A2

(51) International Patent Classification: **Not classified**

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/US2005/001942

(22) International Filing Date: 21 January 2005 (21.01.2005)

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:

60/537,670 20 January 2004 (20.01.2004) US
60/578,190 9 June 2004 (09.06.2004) US

(71) Applicant and

(72) Inventor: SCHWAB, Lester, M. [US/US]; 2479 Royal Oaks Drive, Alamo, CA 94507 (US).

(74) Agents: JOHNSON, Larry, D. et al.; Johnson & Stainbrook, LLP, 3558 Round Barn Blvd., Suite 203, Santa Rosa, CA 95403 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/069954 A2

(54) Title: IV COMPATIBLE LIMB STABILIZATION APPARATUS

(57) Abstract: A splint apparatus for use with intravenous therapy includes an upper portion adapted to be positioned above a patient's limb joint, and a lower portion connected to the upper portion at an angle from 0 to 90 degrees, and preferably between 30 and 60 degrees, the lower portion including a pair of sides and a central aperture for passage of an intravenous catheter. The lower portion is adapted to be positioned and secured below a patient's limb joint, so that the upper portion prevents flexion of the patient's limb joint beyond the defined angle. The apparatus provides an inexpensive method of limb restraint allowing free movement of the limb with the ability for the patient to stand, sit, or lay down easily and without discomfort, while simultaneously preventing bending the limb more than a predetermined angle so as to allow a free flow of IV fluids.